

THAT WHICH IS CLAIMED IS

1. A method for collecting, storing, and displaying particle measurement data from a plurality of particle measuring instruments comprising:

repeatedly measuring particles from a plurality of remote locations;

calculating an accumulated particle count and a differential particle count for each remote location;

determining process data other than particle measurements from a plurality of remote process data measuring locations;

transmitting accumulated particle counts and differential particle counts and process data from each remote location via a computer network, wherein transmitting the process data comprises providing the process data to the computer network in a manner independent of the accumulated particle counts and differential particle counts;

storing accumulated particle counts, differential particle counts, and process data; and

displaying at least some of the accumulated particle counts, differential particle counts, and process data graphically.

2. A method according to claim 1 wherein said displaying step further comprises selectively displaying at least one of the differential particle counts and the accumulated particle counts.

3. A method according to claim 1 wherein said measuring step includes discriminating particle counts by particle size.

4. A method according to claim 3 wherein said displaying step further comprises selectively displaying accumulated particle counts for a predetermined particle size.

5. A method according to claim 1 wherein said determining step includes determining process data including a relative humidity, a temperature, and a pressure.

6. A method according to claim 1 wherein said transmitting step includes transmitting instrument data other than particle counts from a plurality of particle measuring instruments, wherein the method further comprises parsing the accumulated particle counts from the instrument data, and wherein said storing step includes storing
5 accumulated particle counts and associating a respective name with the accumulated particle counts according to the instrument data relating thereto.

7. A method according to claim 6 further comprising identifying and monitoring erroneous instrument data.

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8. A method according to claim 7 wherein said displaying step includes displaying a graphic representation of erroneous instrument data.